Troy Resources Guyana Inc

HSE Update

March 2020
Karouni Project
“Health, Safety and Environmental protection is the foundation of Troy Resources never ending pursuit of our Zero Harm vision.

Troy believes a healthy and safe workplace is about Leadership, Commitment and building a Culture of Safe and Environmentally Sound Operations.

It is about more than just Policies and Procedures. It is about building a culture of health and safety alongside our employees, our contractors, and government “
HSE Department

• Department is staffed with a Health, Safety and Environment Manager, a Senior Environmental Advisor, a Junior Environmental Advisor, and a Senior Health and Safety Advisor.

• In addition, TRGI has engaged the services of Environmental Management Consultants (EMC) to support the Environmental Department’s efforts with environmental compliance.
Safety Culture is about People not Systems!
Systems Support the building of a Safety Culture

• **SLAM (Stop-Look-Analyze-Manage) -2017**

  After initiation of the program, the Company saw an immediate decrease in both the Lost Time Incidents Frequency Rate (“LTIFR”) and the Total Recordable Injury Frequency Rate (“TRIFR”).

• **BIG Five-2019**

  The “Big Five” is a safety program involving people to list the five most important things in their lives to keep thinking about this before starting any task at work or at home.

• **I-Auditor-2020**

  This is a tool to bring real time inspections into the hands of the supervisors through their phone.
Re-Induction/Induction

• During the shutdown in November and December 2019, Management re-evaluated its current methods of inducting employees and contractors (in Health, Safety and Environment).

• RESULT:

  Completely revamped induction modeled after industry leaders. (6 hours long)

Both new and returning employees/contractors the same rigorous induction.
Safety Measurement

The Karouni operation recorded 1.4 million-man hours during FY19. During FY20, with production shutdown for two months, Kaourni operations recorded 637,860 through Feb20.

The LTIFR (Lost Time Injury Frequency Rate) for FY19 (per 1,000,000-man hours) improved by 28% to 5.5 at the end of the year. It has further improved to 5.3 for first 8 months of FY20 at the end of Feb20.

The TRIFR (Total Recordable Injury Frequency Rate) (per 1,000,000-man hours) improved by 54% to 9.2 in FY19. It has further improved 41% to 5.4 for the first 8 months of FY20.

First Aid Injuries (“FAI”) fell by 41% from 56 to 33 and stand at 13 as of 8 months of FY20
Lost Time Injury Frequency Rate FY19
Lost Time Injury Frequency Rate FY20 (First 8 months)
Total Recordable Frequency Rate FY20 (first 8 months)
Sample Mining Industry Comparison

(Note Hours Worked influences rate significantly. Mitsubishi similar to Troy)

<table>
<thead>
<tr>
<th>Company</th>
<th>TRIFR</th>
<th>Hours Worked</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lonmin</td>
<td>10.02</td>
<td>82,724,233</td>
</tr>
<tr>
<td>Anglo Gold Ashanti</td>
<td>7.49</td>
<td>121,890,637</td>
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<tr>
<td>Codelco</td>
<td>6.22</td>
<td>138,203,671</td>
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<tr>
<td>South 32</td>
<td>5.74</td>
<td>50,213,814</td>
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<tr>
<td>Troy Resources</td>
<td>5.40</td>
<td>637,860</td>
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<tr>
<td>Mitsubishi Materials</td>
<td>5.23</td>
<td>1,339,321</td>
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<tr>
<td>Teck</td>
<td>5.06</td>
<td>39,107,138</td>
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<tr>
<td>Antofagasta Minerals</td>
<td>4.58</td>
<td>41,283,065</td>
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<td>BHP</td>
<td>4.29</td>
<td>129,791,957</td>
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<td>African Rainbow Minerals</td>
<td>4.17</td>
<td>48,918,802</td>
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<td>Freeport McMoRan</td>
<td>3.81</td>
<td>116,297,195</td>
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<td>GoldCorp</td>
<td>3.57</td>
<td>36,942,052</td>
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<tr>
<td>Anglo American</td>
<td>3.17</td>
<td>255,879,180</td>
</tr>
<tr>
<td>Sample Average</td>
<td>5.29</td>
<td></td>
</tr>
</tbody>
</table>

Troy represents approximately 6 operating months given shutdown

Data Source : ICMM
Nationally Recognized Safety Performance-2018
Nationally Recognized Safety Performance 2019

NATIONAL ADVISORY COUNCIL ON OCCUPATIONAL SAFETY AND HEALTH
Promoting Safety and Health for all
WORKPLACE AWARD
This Certificate is Awarded To

Troy Resources Guyana Inc.
In recognition of the level of commitment towards creating a culture of prevention in your workplace

Mr. Earl Morris
Chairman, NACOSH

Ms. Amna Ally MP
Hon. Minister of Social Protection

May 15th, 2019
DATE ISSUED
Environment

• The Karouni Project was developed and constructed in accordance with the Construction and Environmental Permits issued to TRGI by the Guyana Environmental Protection Agency, (EPA).

• There were no structural and or operational changes during construction of the project’s facilities since the issuance of the EPA Permits.

• Mining and processing activities are being conducted as detailed in the submitted project documents, with no changes to the mining, crushing, grinding, or refining process.

• TROY is in compliance with our permitting and is committed to the highest standards of environmental protection.
Tailings Storage Facility (TSF)
TSF Highlights

• SRK Engineering Guyana engaged and managing current lift and provides ongoing technical support alongside our in-house Civil Engineer
• Completion of first lift scheduled for May 2020
• Additional 1.5 Million Tons of Capacity
• Cyanide effectively “killed” in mill process
  • Tailing basin is rapidly self re-vegetating
  • Wildlife abundant
• Risk Evaluation to Environment and People
  • Population at risk <1, therefore no or minimal risk to people or community services
  • Contamination of Water Supply for Human or Livestock Consumption not expected
  • Potential for environmental damage restricted to downstream valley where TSF is located
Tailings Storage Facility
Surface Water Protection (Blackwater Creek Diversion)
REHABILITATION

SAPLING COLLECTION & RECLAMATION ACTIVITIES

- Planting and supporting the survival of forest species involves substantial labour and commitments.
- TRGI engage personnel from the Kuburi village for the collection and planting of seedling.
- A total of 7,621 sapling are stored at the nursery.
- A total of 4,492 sapling were planted at three test areas.